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(74) Agent: SHIN, Dong In; 304, DUKAM Building, 1457-2, Seocho3-dong, Seocho-gu, Seoul 137-867 (KR).

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(71) Applicant (for all designated States except US): PANGENOMICS CO., LTD. [KR/KR]; #304, Biotechnology incubating center, Seoul National University, Shilim9-dong, Kwanak-gu, Seoul 151-742 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): JIN, Mi Rim [KR/KR]; 3905 Tower Palace 1 cha, Dogok 2-dong(A), Gangnam-gu, Seoul 135-272 (KR). RYU, Jae Ha [KR/KR]; 601-402 Sinsigaji Apt., Mok 6-dong, Yangcheon-gu, Seoul 158-756 (KR). CHOI, Hyoun Jeong [KR/KR]; 401 Dongyangjutaek, Yeonsu 1-dong 479-7, Yeonsu-gu, Incheon 406-810 (KR). JUNG, Hyung Jin [KR/KR]; 210-303 Jugong Apt., Banpo 2-dong, Seocho-gu, Seoul 137-042 (KR). PARK, Kyoung Chul [KR/KR]; 20 Acevill, Bongcheon 7-dong 1510-2, Gwanak-gu, Seoul 151-818 (KR). KIM, Sun Young

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(54) Title: A COMPOSITION COMPRISING THE EXTRACT OF CUCURBITACEAE FAMILY PLANT OR THE PURIFIED EXTRACT ISOLATED THEREFROM HAVING ANTI-ADIPOGENIC AND ANTI-OBESITY ACTIVITY

(57) Abstract: The present invention is related to an extract of Cucurbitaceae family plant or the purified extract isolated therefrom having anti-adiopogenic and anti-obesity activity, and a composition comprising the same. The extract of Cucurbitaceae family plant of the present invention showed potent reducing activity of body weight, decreasing effect on the blood triglyceride and cholesterol level, activating activity of PPAR alpha and delta, reducing activity of the gene expression of stearoyl-CoA desaturase, and preventing activity from the adipogenesis of precursor fat cells with no toxicity, therefore, those extract can be useful in treating or preventing obesity and adipogenesis-involved diseases as a medicine or health care food.

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